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ICT 3200: Project Work

Dormitory Management System

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Dormitory Management System

Description:

This project is entitled Dormitory Management System. This is a web-based application project. This project provides an online and automated platform for Universities or Colleges' Dormitory to manage their monthly collections and records. The system consist consists of multiple features. It consists of user-friendly features and functionalities.

The management can only access this Dormitory Management System. The registered system admin can access the system features and functionalities. The Administrator Users have the privilege to access and manage all the features and functionalities of the system.

This Dormitory Management System allows the management to manage the list of dormitory buildings, rooms in each dorm, and student accounts. The management must first populate the list of dorms, rooms, and students when using the system for the first time.

The system was developed with user-friendly features and functionalities with CRUD (Create, Read, Update, and Delete) Operations. It can help the school management to efficiently and effectively manage the dorms' collections and account records.

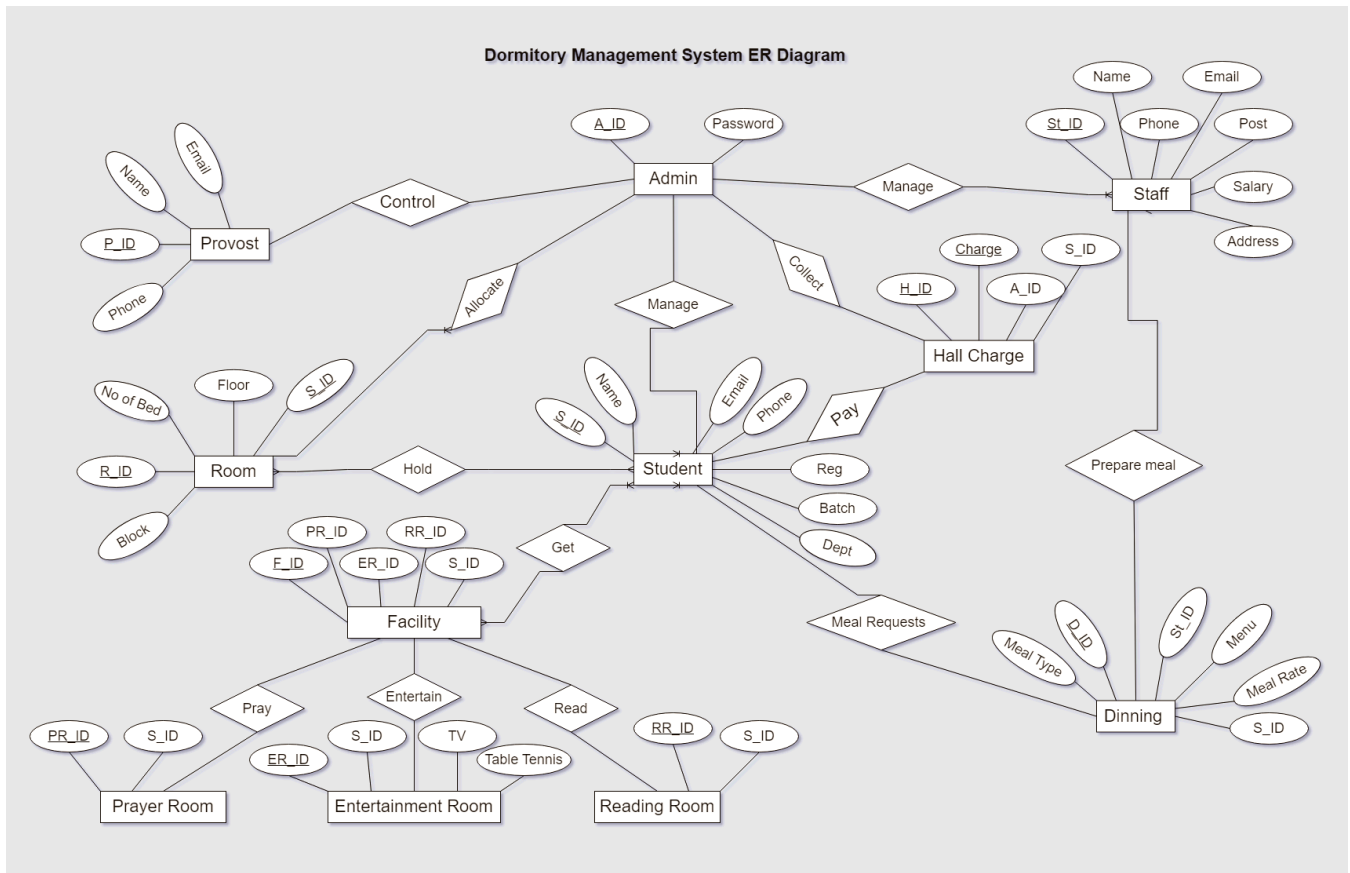
Features:

- **Home Page**
 - Display the summary.
- **Dorm Management**
 - Add New Dorm
 - List All Courts
 - View Dorm Details
 - Update Dorm Details
 - Delete Dorm
- **Room Management**
 - Add New Room
 - List All Rooms
 - View Room Details
 - Update Room Details
 - Delete Room
- **Student Management**
 - Add New Student
 - List All Students
 - View Student Details
 - Update Student Details
 - Delete Student
- **Account Management**
 - Add New Account
 - List All Accounts
 - View Account Details
 - Update Account Details
 - Add Payment
 - List Payment History
 - Edit Payment Details
 - Delete Payment Details

- Delete Account

- **Report**
 - Generate Printable Monthly Collection Report
- **Update System Information**
- **Update Account Details/Credentials**
- **Login and Logout**

ER Diagram



Schema

Admin (A_ID, Password)

Provost (P_ID, Name, Email, Phone)

Staff (St_ID, Name, Phone, Email, Post, Salary, Address)

Student (S_ID, Name, Phone, Email, Registration, Batch, Department)

Room (R_ID, Block, Floor, No of Bed, S_ID)

Dinning (D_ID, Meal Type, Meal Rate, Menu, S_ID, St_ID)

Hall Charge (H_ID, Charge, A_ID, S_ID)

Facility (F_ID, PR_ID, ER_ID, RR_ID, S_ID)

Prayer Room (S_ID, PR_ID)

Entertainment Room (ER_ID, S_ID, TV, Table Tennis)

Reading Room (RR_ID, S_ID)